

METHOD AND APPARATUS FOR DETECTION  
OF FLUORESCENTLY LABELED MATERIALS

ABSTRACT OF THE DISCLOSURE

5           Fluorescently marked targets bind to a substrate 230  
synthesized with polymer sequences at known locations. The  
targets are detected by exposing selected regions of the  
substrate 230 to light from a light source 100 and detecting  
the photons from the light fluoresced therefrom, and repeating  
10 the steps of exposure and detection until the substrate 230 is  
completely examined. The resulting data can be used to  
determine binding affinity of the targets to specific polymer  
sequences.